

CLAIM AMENDMENTS

1. (currently amended) Method A method for the controlled delivery of digital services within a plurality of providers (SP) and users (U), wherein said services are identified by respective stream of encoded digital data emitted by said providers (SP) and the users are provided with reception means receiver (STB) to receive said digital data streams, the reception means receiver being selectively enabled to make use of determined services through a respective user unit (105), characterized in that it comprises comprising the operations steps of:

incorporating into said coded digital data streams at least one algorithm for enabling the use of respective determined services (TMW2),

incorporating into said coded digital data streams a respective identifying code (EMM) for each user (U) to be enabled to receive a certain service,

associating to said user unit (105) a processing function (VM) capable of recognizing and executing said at least one enabling algorithm by exploiting said identifying code to enable the receiving means receiver (STB) of the respective user to make use of said service.

2. (currently amended) Method The method according to claim 1, ~~characterized in that it~~ which comprises the operation step of configuring said user unit (105) as a movable processing support uniquely assigned to one of said users (1) and arranged to be selectively associated to said reception means receiver (STB), said reception means receiver (STB) being of a generalized type common to multiple users of said plurality (U).

3. (currently amended) Method The method according to claim 2, ~~characterized in that it~~ which comprises the operation step of configuring said movable processing support as a smart card.

4. (currently amended) Method The method according to any of the previous claims, ~~characterized in that it~~ claim 3 which comprises the following operations steps of:

associating to said reception means receiver (STB) a trusted middleware (TMW) function,

configuring said trusted middleware function into a static part (TMWI), residing on said reception means receiver (STB), and a dynamic part (TMW2) arranged to be selectively transferred onto said user unit (105) in view of the execution of said at least one algorithm by said processing function (VM).

11 5. (currently amended) Method The method according to
12 ~~any of the previous claims, characterized in that it claim 3 which~~
13 ~~comprises the following operations steps of:~~

14 configuring said digital data streams as MPEG data
15 streams containing EMM messages,

16 inserting said identifying code in to the EMM messages,
17 activating, through said user unit (105) and upon
18 reception of said at least one algorithm, the performance of the
19 following functions:

20 extracting, reading and deciphering the EMM messages
21 contained in the digital data stream received,

22 interpreting said identification code contained in the
23 EMM messages,

24 executing said at least one enabling algorithm by
25 exploiting said identification code.

1 6. (currently amended) Method The method according to
2 ~~any of the previous claims, characterized in that claim 3 wherein~~
3 ~~said at least one enabling algorithm is incorporated in to a stream~~
4 ~~of private data within said digital data stream.~~

1 7. (currently amended) Method The method according to
2 claim 3 wherein ~~any of the previous claims, characterized in that,~~

3 upon reception of said at least one algorithm, said processing
4 function (VM) enables said ~~reception means~~ receiver to operation as
5 transmitters to transmit information about the delivery of the
6 service itself.

8. (currently amended) System A system for the
controlled delivery of digital services by a plurality of providers
(SP) to a plurality of users (U), wherein said services are
identified by respective coded digital data streams delivered by at
least one device for at least one service provider ~~said providers~~
(SP) and the users are provided with ~~receiving means~~ at least one
receiver (STB) for at least one user to receive said digital data
streams, the ~~receiving means~~ receiver being selectively enabled to
make use of determined services through a respective user unit
(105), ~~characterized in that~~ wherein:

said providers (SP) are arranged to incorporate into the
respective encoded digital data streams at least one algorithm for
enabling use of respective determined services, as well as to
incorporate into said digital data streams a respective
identification code (TMW2) for each user (U) to be enabled to
receive a determined service, and

said user units (105) have associated thereto a
processing function (VM) arranged to recognize and execute said at

19 least one algorithm on the basis of said identifying code, to
20 enable the receiving means receiver (STB) of the respective user to
21 make use of said service.

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9. (currently amended) ~~System~~ The system according to
2 claim 8, ~~characterized in that wherein~~ said user units (105) are
3 configured as removable processing supports uniquely assigned each
4 to one of said users (1) and arranged to be selectively associated
5 to said receiving means receiver, said receiving means receiver
6 being of a generalized type common to multiple users of
7 said plurality (U).

8 10. (currently amended) ~~System~~ The system according to
9 claim 9, ~~characterized in that wherein~~ said movable processing
10 supports are configured as smart cards.

1 11. (currently amended) ~~System~~ The system according to
2 any of claims claim 8 to 10, characterized in that wherein:
3 said receiving means receiver have has associated thereto
4 a trusted middleware function (TMW) configured in a static part
5 (TMW1), residing on said receiving means receiver (STB), and in a
6 dynamic part (TMW2) arranged to be selectively transferred on the

7 respective user unit (105) in view of the execution of said at
8 least one algorithm by said processing function (VM).

12. (currently amended) ~~System~~ The system according to
~~any of claims claim 8 through 11, characterized in that wherein~~
said service providers emit said digital data streams as MPEG data
streams containing EMM messages with said identifying code inserted
in said EMM messages, and said receiving means receiver comprises:
 means modules for extracting, reading and deciphering the
EMM messages contained in the received digital data stream,
 means modules (103, 104) for interpreting said
identifying code contained in the EMM messages, and
 processing means modules (VM) to execute said at least
one enabling algorithm on the basis of said identifying code.

13. (currently amended) ~~System~~ The system according to
~~any of claims claim 8 through 12, characterized in that wherein~~
said service providers incorporate said at least one enabling
algorithm into a stream of private data within said ~~digital~~ data
streams.

14. (currently amended) ~~System~~ The system according to
claim 13, ~~characterized in that the receiving means~~ receiver can be

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3 activated by said user unit (105) upon reception of said at least
4 one algorithm for operation as transmitters to transmit information
5 about the delivery of the service itself.

15. (currently amended) ~~System~~ The system according to
2 ~~any of claims claim 8 through 14, characterized in that wherein~~
3 ~~said user unit (105) is configured as a Java Card.~~
